

IN THE CLAIMS:

Please cancel Claims 2-4 without prejudice or disclaimer of the subject matter recited therein.

Please amend Claim 1 as follows.

1. (Currently Amended) ~~An analytical A geometric~~ model conversion method of converting a three-dimensional CAD geometric analytical model of a thin-walled structure into a two-dimensional analytical model, comprising:

a step of generating a plurality of tetrahedral solid elements for, each of which has single-layered structure in a plate thickness direction, by dividing an input three-dimensional CAD geometric analytical model which has a thin-walled structure, and
a step of connecting intermediate nodes of sides that extend in a direction of plate thickness in each tetrahedral solid element to generate a plurality of triangular shell elements or rectangular shell element elements as the two-dimensional analytical model, and
a step of executing an injection molding analysis with respect to each shell element of the low-dimensional analytical model generated in said connecting step and
outputting results of the injection molding analysis.

Claims 2-4. (Cancelled).